

8" SOLID CONCRETE BLOCK MANHOLE

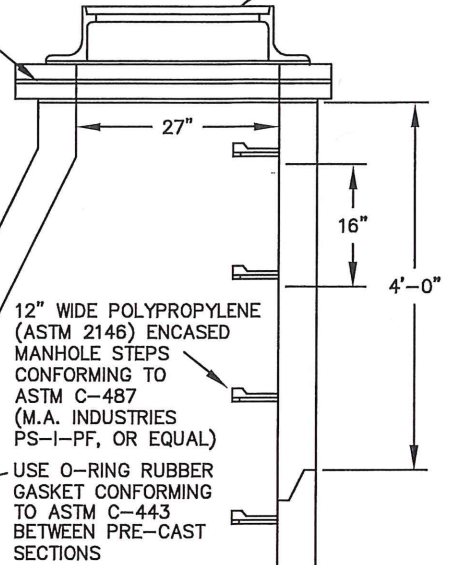
PRECAST OR POURED SQUARE BASE SLAB MN/DOT 3G52 CONCRETE.
 PRECAST ROUND BASE SLAB
 PRECAST MANHOLE BARREL SECTION

NOTES:

1. THIS MANHOLE FOR USE WITH 21" I.D. AND SMALLER PIPE. USE LARGER MANHOLE DIAMETER FOR PIPES LARGER THAN 21" I.D.
2. PRECAST RISER SECTION TO MEET ASTM C-478
3. JOINTS BETWEEN PRECAST SECTIONS SHALL USE O-RING RUBBER GASKET CONFORMING TO ASTM C-443
4. PRECAST MANHOLE BARREL BASE SECTIONS SHALL BE USED WHENEVER POSSIBLE.
5. ENGINEER APPROVED MANHOLE BLOCK WALL BASE SECTION TO BE CONSTRUCTED WITH 8" X 8" X 16" OR 6" X 8" X 16" SOLID CONCRETE MANHOLE BLOCKS (SEE SPECIFICATIONS). ALL JOINTS TO BE 3/8 THICK AND COMPLETELY FILLED WITH MORTOR

ECCENTRIC CONE WITH PRECAST RISER SECTIONS AS REQ.

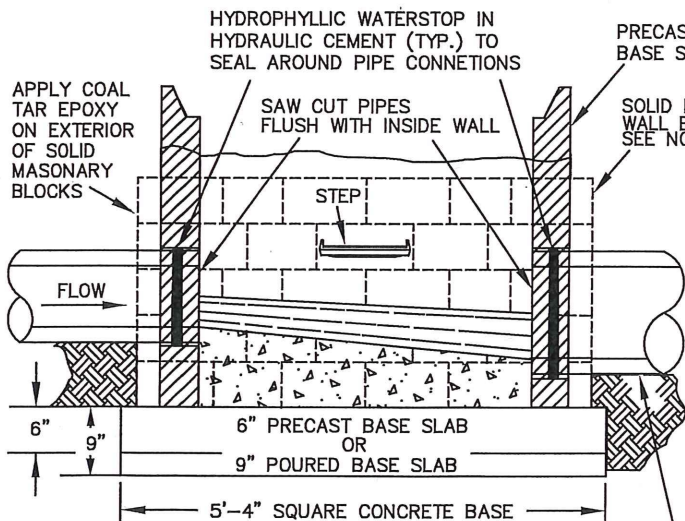
CASTINGS A & B (UNLESS NOTED OTHERWISE) USE STD. PLATES 2201E AND 2202D
 ADJUST TO GRADE AS PER STD. PL. 2321B



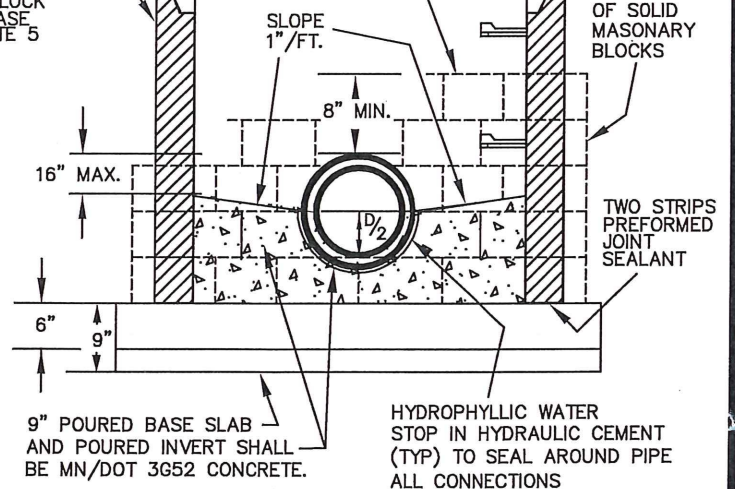
12" WIDE POLYPROPYLENE (ASTM 2146) ENCASED MANHOLE STEPS CONFORMING TO ASTM C-487 (M.A. INDUSTRIES PS-1-PF, OR EQUAL)
 USE O-RING RUBBER GASKET CONFORMING TO ASTM C-443 BETWEEN PRE-CAST SECTIONS

INSTALLING BLOCK WALL MUST BE APPROVED BY ENGINEER SEE NOTE 5

APPLY COAL TAR EPOXY ON EXTERIOR OF SOLID MASONRY BLOCKS



SECTION A-A



SECTION B-B

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Aaron D. Hass
 AARON D. HASS

PIPES SHALL REST ON UNDISTURBED EARTH AND NOT BEAR DIRECTLY ON SLAB

Date 2-22-2018 Lic. No. 26424

APPROVED 2-23-2018
Tauli Kurty
 CITY ENGINEER

CITY OF ST. PAUL
 DEPARTMENT OF PUBLIC WORKS
 MANHOLE, DESIGN TYPE II
 USED FOR 21" I.D. & SMALLER PIPES

Date of Revision
 FEB 2018

Standard Plate No.
 2102F